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# The Cooperative Base Network

The Cooperative Base Network (CBN) is a high-accuracy network of permanently marked control points spaced approximately 15-minutes by 15-minutes (25-50 km) apart throughout the United States and its territories. CBN contains additional stations as needed for safe aircraft navigation, or in areas of crustal motion.

The National Geodetic Survey (NGS) responsibility for CBN is to assist and advise cooperating agencies in establishing spatial reference control according to accepted Federal standards and specifications. In addition, NGS:

- instructs users and provides them with software to mathematically adjust their data to fit the national geodetic framework,
- instructs or provides formats to include users' data into the NGS data base, and
- distributes CBN data to the public.

With its 25-km spacing, CBN represents an accessible spatial reference network that can provide the accuracy needed for a multitude of modern applications.

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U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
National Ocean Service  
National Geodetic Survey

The National Geodetic Survey (NGS) defines and manages the National Spatial Reference System, which determines position, height, distance, direction, gravity, and shoreline throughout the United States. Since 1807 NGS and its predecessor agencies have led the world in precise positioning and developed emerging technologies for the public. NGS provides its expertise and a wealth of free information, including direct access to its data base, on the World Wide Web at: [www.ngs.noaa.gov](http://www.ngs.noaa.gov)

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